Programmable 2-Channel Industry-Built-In Measuring Device | **PAX-DP**

○ Display Freely Scalable

○ 2 Galvanically Separated Input Channels

○ Extendable by up to 3 Output Cards

○ Up to 105 Measurements/s

○ Minimum-Maximum Value Display

○ Short Length Design (Depth 104 mm)

○ Level of Protection IP65 on Front Side

DESCRIPTION

PAX-DP is a very flexible and accurate 2-channel laboratory device which is also excellently qualified for rough industrial applications due to its very robust synthetic housing and the IP65 level of protection on front side.
The device is programmed by 5 keys. Additional functions such as e.g. minimum/maximum memory, delete memory, channel 1 or 2….., can be effected by keys or by the 2 programmable inputs.
The inputs can by adjusted by jumpers PNP- or NPN-.
A linearization of up to 16 steps is possible.
Both devices are equipped with an easy to change backlight unit display.
The 2-channel device has 2 galvanically separated ±10 V or ±20 mA inputs.
Thus, this device is especially suitable for dual-range sensors with active output signals. The display channel can be switched over by keystroke or by a control input.
Each measuring channel has its own parameter set, the output cards can be assigned freely and both measured values can be transferred via the interface.
The device can be fitted and/or refitted with the most various output cards. Maximal, the device can be equipped with one limit value output, one analog output and one interface slot.

Each PAX unit is also available as a LPAX-model. LPAX has a large display (38 mm height LED-unit) which is legible from a distance of 20 m.

TECHNICAL DATA

Type	PAX-DP-00B	PAX-DP-01B
Art.-No.	101694	110064
Supply	85...250 VAC 50/60 Hz 15 VA	11...36 VDC 11 W or 24 VAC ±10% 50/60 Hz 15 VA
Measuring Rate	5.3 - 105 Measurements/s adjustable	
Reaction Time	60 ms for display of 99% of final value, max. 0.8 s (prolongs by decrease of filtration)	
LED-Display	5-digit, height 14 mm (LPAX: 38 mm), red LED, unit free definable	

Sensor Side		
Excitation	18 VDC ±20% , max. 70 mA per input channel	
Signal Input / Impedance	±10 V / 500 kΩ ±20 mA / 24.6 Ω	
Disturbing Signal Rejection NMR	>60 dB at 50/60 Hz ±1% (can be increased by digital filtration)	
Common Mode Suppression CMR	>100 dB, DC to 120 Hz	

Miscellaneous		
Service Temperature Range	0... 45 °C	
Storage Temperature Range	-40... 60 °C	
Relative Humidity	max. 85%, non-condensing	
Electromagnetic Compatibility, CE conform	Emission and Immunity: EN 61326:2006	
Dimension (W x H x D)	97 x 50 x 104 mm	
Switch-Board Segment	92 x 45 mm	
Weight	approx. 0.3 kg	
Level of Protection of Front Side	IP65	

Option/ Accessory

Art.-No.	Type	Description
110564	mV/V	mV/V adjusted sensitivity
100861	PAX-CDC10	Plug-in interface card RS485
100862	PAX-CDC20	Plug-in interface card RS232
111287	PAX-CDC50	Plug-in interface card Profibus-DP
113258	PAX-USB00	Plug-in interface card USB
100863	PAX-CDL10	Plug-in analog output card 0...10 V or 0/4...20 mA
100864	PAX-CDS10	Plug-in relay output card, 2 x changer
100865	PAX-CDS20	Plug-in relay output card, 4 x closer
100866	PAX-CDS30	Plug-in transistor output card, 4 x NPN
100867	PAX-CDS40	Plug-in transistor output card, 4 x PNP